

Message Text

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ACTION SCI-06

INFO OCT-01 EUR-25 IO-14 ISO-00 ACDA-19 CIAE-00 INR-10

L-03 NSAE-00 NSC-07 RSC-01 FEA-02 AEC-11 AID-20

CEA-02 CIEP-02 COME-00 DODE-00 EB-11 FPC-01 H-03

INT-08 OMB-01 PM-07 SAM-01 SP-03 SS-20 STR-08 TRSE-00

PA-04 PRS-01 USIA-15 AF-10 ARA-16 EA-11 NEA-14 DRC-01

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P 091359Z MAY 74

FM USMISSION IAEA VIENNA

TO SECSTATE WASHDC PRIORITY 4332

INFO AEC GERMANTOWN PRIORITY

USEC BRUSSELS PRIORITY 1728

AMCONSUL HAMBURG PRIORITY

UNCLAS SECTION 1 OF 2 IAEA VIENNA 4129

BRUSSELS AND HAMBURG PLEASE PASS BENGELSDORF, USDEL ECG
R&D MEETING

E.O. 11652: N/A

TAGS: TECH, IAEA

SUBJECT: IAEA SUPPORT OF URANIUM EXPLORATION AND DEVELOPMENT

REF: STATE 93631

1. PURSUANT TO REQUEST CONTAINED REFTEL, FOLLOWING
INFORMATION IS PROVIDED ON PRINCIPAL ACTIVITIES OF IAEA
DESIGNED TO FACILIATATE EXPLORATION AND DEVELOPMENT OF
NATURAL URANIUM RESOURCES IN MEMBER STATES. PER
REFTEL, THIS EXCLUDES JOINT PROJECT WITH OECD/NEA
RELATING TO URANIUM RESOURCES PRODUCTION AND DEMAND.

2. MEETINGS: AGENCY HAS HELD THREE MAJOR SYMPOSIA IN
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THIS GENERAL SUBJECT AREA: USES OF NUCLEAR TECHNIQUES

IN PROSPECTING AND DEVELOPMENT OF MINERAL RESOURCES, BUENOS AIRES, NOVEMBER 1968; RECOVERY OF URANIUM FROM ORES AND OTHER SOURCES, SAO PAULO, AUGUST 1970; AND FORMATION OF URANIUM ORE DEPOSITS, ATHENS, MAY 6-10, 1974. PROCEEDINGS OF FIRST TWO HAVE BEEN PUBLISHED, THIRD NOW UNDERWAY AT THIS DATE. IN ADDITION, SYMPOSIUM ON PEACEFUL USES OF ATOMIC ENERGY IN AFRICA, KINSHASA, JULY-AUGUST 1969, DEALT SUBSTANTIALLY WITH URANIUM EXPLORATION AND DEVELOPMENT. MISSION REGRETS THAT COMPLETE LISTING OF PANELS AND OTHER MEETINGS (INCLUDING CONSULTANTS MEETINGS AND WORKING GROUPS) CANNOT BE ASSEMBLED IMMEDIATELY DUE TO ABSENCE OF KEY AGENCY STAFF AT ATHENS SYMPOSIUM; MISSION WILL SUPPLY LIST ASAP AFTER SYMPOSIUM ENDS. MAJOR PANELS FOR WHICH PROCEEDINGS HAVE BEEN PUBLISHED INCLUDE: PROCESSING OF LOW-GRADE URANIUM ORES (1966); URANIUM EXPLORATION GEOLOGY (1970); URANIUM EXPLORATION METHODS (1972); RADON IN URANIUM MINING; EFFECT OF PROTECTIVE CONTROLS ON URANIUM RESERVES AND COSTS (1973, TO BE PUBLISHED DECEMBER 1974). IN ADDITION, AGENCY MEETINGS IN 1971-72 LED TO PREPARATION OF VOLUME IN ITS TECHNICAL REPORTS SERIES TO BE PUBLISHED IN JUNE 1974 ON RECOMMENDED INSTRUMENTATION FOR URANIUM AND THORIUM EXPLORATION. AGENCY ALSO PUBLISHES PERIODIC SERIES OF VOLUMES IN ITS BIBLIOGRAPHICAL SERIES DEALING WITH GEOLOGY OF URANIUM AND THORIUM. DRAFT AGENCY PROGRAM FOR 1975-80 NOW BEFORE BOARD INCLUDES PROVISION FOR ADVISORY GROUP (NEW TERMINOLOGY FOR PANEL) MEETING ON URANIUM ORE PROCESSING PLANNED IN 1975, AND TECHNICAL COMMITTEE MEETING ON URANIUM GEOLOGY AND AN ADVISORY GROUP MEETING ON URANIUM PROSPECTING INSTRUMENTATION PLANNED FOR 1976.

3. R&D PROJECTS: OVER PERIOD 1960-1975 (PROJECTED), AGENCY HAS GRANTED 15 RESEARCH CONTRACTS (COUNTING SUCCESSIVE ONE YEAR RENEWALS AS SINGLE CONTRACTS) FOR PERIODS OF ONE TO FOUR YEARS IN 11 COUNTRIES IN AMOUNTS TOTALLING \$120,150, FOR RESEARCH AND DEVELOPMENT IN URANIUM EXPLORATION AND DEVELOPMENT. BULK OF THESE AWARDS WERE IN CONNECTION WITH TWO COORDINATED RESEARCH PROGRAMS:

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ON RECOVERY OF URANIUM AS BY-PRODUCE OF FERTILIZER PRODUCTION FROM PHOSPHATE ROCKS (1969-71), WHICH INCLUDED THREE CONTRACTS IN THREE COUNTRIES TOTALLING \$22,000; AND ON BACTERIAL LEACHING OF URANIUM ORES (1970-75) WHICH INCLUDES SEVEN CONTRACTS AND THREE COST-FREE RESEARCH AGREEMENTS IN 10 COUNTRIES TOTALLING \$40,550. IN ADDITION TO COSTS OF CONTRACTS THEMSELVES, COORDINATED RESEARCH PROGRAMS NORMALLY INCLUDE PERIODIC (NORMALLY

ANNUAL) RESEARCH COORDINATION MEETING ORGANIZED BY
AGENCY AND INVOLVING ALL CONTRACTORS (WHERE POSSIBLE)
AND AGENCY PROJECT OFFICER. DRAFT AGENCY PROGRAM FOR
1975-80 INCLUDES PROVISION FOR CONTINUATION OF COORDI-
NATED RESEARCH PROGRAM ON BACTERIAL LEACHING IN 1975,
AND AWARD OF OTHER CONTRACTS AS APPROPRIATE. FULL

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STR-08 TRSE-00 AF-10 ARA-16 EA-11 NEA-14 DRC-01 /258 W

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P 091359Z MAY 74

FM USMISSION IAEA VIENNA

TO SECSTATE WASHDC PRIORITY 4333

INFO AEC GERMANTOWN PRIORITY

USMISSION USEC BRUSSELS PRIORITY

AMCONSUL HAMBURG PRIORITY

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BRUSSELS AND HAMBURG PLEASE PASS BENGELSDORF, USDEL ECG
R&D MEETING

LISTING OF CONTRACTS HAS BEEN POUCHED AEC AND AIRMAILED BRUSSELS
AND HAMBURG TO BE PASSED TO BENGELSDORF.

4. AGENCY TECHNICAL ASSISTANCE ACTIVITIES: FOLLOWING IS
SUMMARY AND UPDATING OF INFORMATION PROVIDED IN AGENCY'S
ANNUAL REPORT ON PROVISION OF TA WITH SPECIAL REFERENCE TO
1972 (IAEA DOCUMENT GC(XVII)/INF/142, COPIES AIRMAILED BRUSSELS
AND HAMBURG FOR BENGELSDORF) WHICH PROVIDES EXCELLENT GENERAL
DESCRIPTION OF OVERALL IAEA TA ACTIVITIES RELATING TO URANIUM
RESOURCES EXPLORATION AND DEVELOPMENT. DURING PERIOD 1959-1974,

AGENCY PROVIDED ASSISTANCE IN FORM OF EXPERTS AND EQUIPMENT TO 32 DEVELOPING COUNTRIES (LISTED IN TA REPORT), INCLUDING TOTAL OF 86 EXPERTS (INCLUDING SEVEN EXPERTS FOR AGGREGATE OF 65 MAN/MONTHS APPROVED IN 1974 PROGRAM) AND EQUIPMENT VALUED AT \$677,315 (INCLUDING EQUIPMENT TO BE PROVIDED TO THREE COUNTRIES VALUED AT \$50,500 APPROVED IN 1974 PROGRAM). IN UNCLASSIFIED

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ADDITION TO UNDP LARGE-SCALE PROJECTS EXECUTED BY IAEA IN GREECE AND PAKISTAN REFLECTED IN TA REPORT, NEW PROJECT FOR DEVELOPMENT OF URANIUM IN TURKEY BEGINNING 1974 AND WILL CONTINUE FOR THREE YEARS. AGENCY AWARDED 189 FELLOWSHIPS IN URANIUM RESOURCES FIELD TO STUDENTS FROM 35 DIFFERENT COUNTRIES FOR STUDY IN 18 HOST COUNTRIES DURING PERIOD 1959-72, AND AWARDED 17 ADDITIONAL FELLOWSHIPS IN THIS FIELD IN 1973 (DETAILED BREAKDOWN BY COUNTRY AND AMOUNTS WOULD TAKE SOME TIME TO PREPARE; MISSION SHOULD BE ADVISED IF WE SHOULD REQUEST AGENCY TO DO SO), AND ORGANIZED TWO INTERREGIONAL TRAINING COURSES (IN ARGENTINA AND SPAIN) ON SAME SUBJECT. SINCE FELLOWSHIPS AND TRAINING ARE CONTINUOUSLY PROGRAMMED THROUGHOUT YEAR, FINAL FIGURES FOR 1974 ON THIS ASPECT OF AGENCY ASSISTANCE WILL BE AVAILABLE ONLY AT END OF YEAR. SPECIFIC PROJECTS IN THIS SUBJECT INVOLVING EXPERTS AND EQUIPMENT APPROVED IN 1974 TA PROGRAM, AS REFERRED TO ABOVE, INCLUDE AS RECIPIENTS: ARGENTINA - ONE EXPERT FOR ONE YEAR; BURMA - ONE EXPERT FOR TWO MONTHS; EGYPT - ONE EXPERT FOR THREE MONTHS AND EQUIPMENT VALUED AT \$6,000; MEXICO - TWO EXPERTS FOR ONE YEAR EACH; MOROCCO - ONE EXPERT FOR ONE YEAR AND EQUIPMENT VALUED AT \$12,500; PHILIPPINES - ONE EXPERT FOR ONE YEAR AND EQUIPMENT VALUED AT \$32,000. IN ADDITION, UNDP LARGE-SCALE PROJECT BEGINNING IN TURKEY. FINALLY, THERE WILL PROBABLY BE A NUMBER OF SMALL-SCALE PROJECTS FUNDED THROUGH UNDP DURING 1974, BUT AS SUCH PROJECTS ARE ON CONTINUOUS PROGRAMMING BASIS (RATHER THAN ONE-TIME ANNUAL APPROVAL, AS FOR AGENCY'S REGULAR TA PROGRAM), FINAL FIGURES ON THESE WILL BE AVAILABLE ONLY AT END OF YEAR.

5. REQUEST THAT MISSION BE ADVISED IF FURTHER INFORMATION REQUIRED. LABOWITZ

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